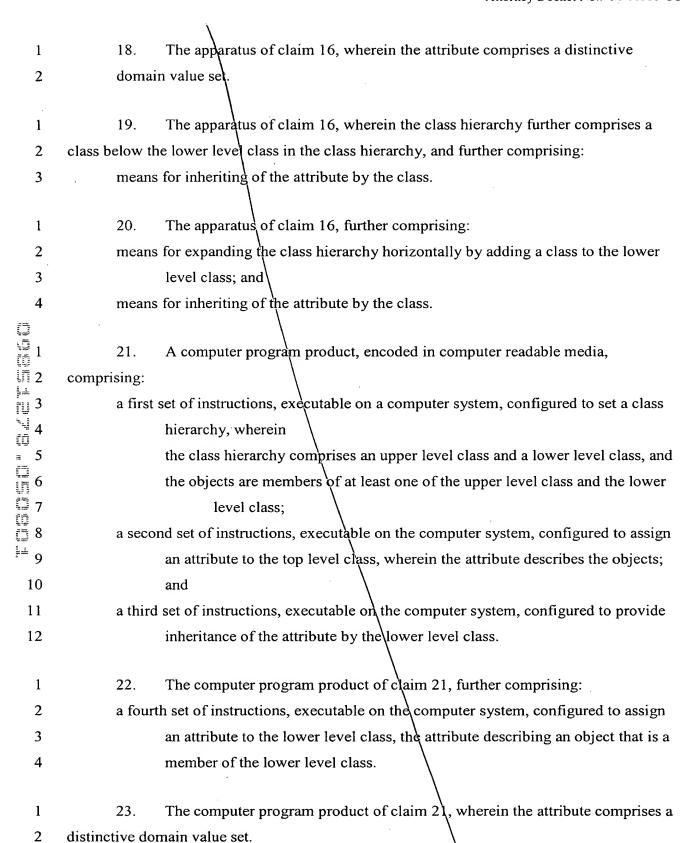
WHAT IS CLAIMED IS:

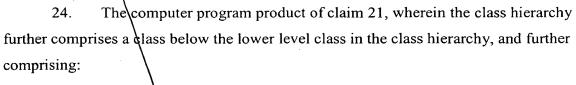
1	C.X)	1. \	A method of arranging objects comprising:			
2	77	setting	a class hierarchy, wherein			
3	4.1		he class hierarchy comprises an upper level class and a lower level class, and			
4		•	the objects are members of at least one of the upper level class and the lower			
5			level class;			
6		assign	ing an attribute to the top level class, wherein the attribute describes the objects			
7			and \			
8		inherit	ing of the attribute by the lower level class.			
<u>.</u> 1		2.	The method of arranging objects of claim 1, further comprising:			
.□2		assign	ing an attribute to the lower level class, the attribute describing an object that is			
3 12 13 11			a member of the lower level class.			
i.						
1 m		3.	The method of arranging objects of claim 1, wherein the attribute comprises a			
^{[0} 2		distinctive domain value set.				
1 1 1 2		4.	The method of arranging objects of claim 1, wherein the class hierarchy			
0 102	further		ises a class below the lower level class in the class hierarchy, and further			
□ 3	compr	_				
4	•	inheriting of the attribute by the class.				
1		5.	The method of arranging objects of claim 1, further comprising:			
2		expan	ding the class hierarchy horizontally by adding a class to the lower level class;			
3		•	and			
4		inherit	ring of the attribute by the class.			
1		6.	A hierarchical class architecture of objects comprising:			
2		an upp	per level class;			
3		a lower level class; and				
4		an attribute, wherein				
5			the attribute is assigned to the upper level class,			

739794 v6 -17-

6	-	the objects are members of at least one of the upper level class and the lower			
7		level class,			
8		the attribute describes the objects, and			
9		the lower level class is configured to inherit the attribute.			
1	7.	The hierarchical class architecture of claim 6, further comprising:			
2	an additional attribute, wherein				
3		the additional attribute is assigned to the lower level class, and			
4		the attribute describes an object in the lower level class.			
1	8.	The hierarchical class architecture of claim 6, wherein the attribute comprises			
2	a distinctive domain value set.				
<u>.</u>					
	9.	The hierarchical class architecture of claim 6, further comprising:			
Л2 ₩	a class	s, wherein			
		the class is below the lower level class in the hierarchical class architecture,			
14 10 4		and			
		the class is configured to inherit the attribute.			
5 11 11 12 2					
1 11	10.	The hierarchical class architecture of claim 6, wherein			
<u></u>	the lo	wer level class is configured to be expanded horizontally by virtue of being			
^{k≟} 3		configured to provide for addition of a class, and			
4	the class is configured to inherit the attribute.				
1	11	A			
1	11.	A computer system comprising:			
2	a processor;				
3	a computer readable medium coupled to the processor; and				
4	computer code, encoded in the computer readable medium, configured to cause the				
5	processor to:				
6	set a class hierarchy, wherein				
7	the class hierarchy comprises an upper level class and a lower level class, and				
8		the objects are members of at least one of the upper level class and the lower			
9		level class;			

10	assign an attribute to the top level class, wherein the attribute describes the objects;					
11	and					
12.	provid	le inheritance of the attribute by the lower level class.				
1	12.	The computer system of claim 11, wherein the computer code is further				
2	configured to cause the processor to:					
3	assign an attribute to the lower level class, the attribute describing an object that is a					
4	,	member of the lower level class.				
1	13.	The computer system of claim 11, wherein the attribute comprises a distinctive				
2	domain value	set.				
<u>[</u> 1	14.	The computer system of claim 11, wherein the class hierarchy further				
51 5953 4 701 701 701 701 701 701	comprises a class below the lower level class in the class hierarchy, and the computer code is					
M 3	further configured to cause the processor to:					
<u>1</u> 4	provide inheritance of the attribute by the class.					
'4 []						
<u> </u>	15.	The computer system of claim 11, wherein the computer code is further				
1 2 1 1 2	configured to cause the processor to:					
1 3	expan	d the class hierarchy horizontally by adding a class to the lower level class; and				
4	provid	le inheritance of the attribute by the class.				
1	16.	An apparatus for arranging objects comprising:				
2	means for setting a class hierarchy, wherein					
3		the class hierarchy comprises an upper level class and a lower level class, and				
4		the objects are members of at least one of the upper level class and the lower				
5		level class;				
6	means for assigning an attribute to the top level class, wherein the attribute describes					
7		the objects; and				
8	means	for inheriting of the attribute by the lower level class.				
1	17.	The apparatus of claim 16, further comprising:				
2	means	for assigning an attribute to the lower level class, the attribute describing an				
3		object that is a member of the lower level class.				





- a fourth set of instructions, executable on the computer system, configured to provide inheritance of the attribute by the class.
- 25. The computer program product of claim 21, further comprising:
 a fourth set of instructions, executable on the computer system, configured to expand
 the class hierarchy horizontally by adding a class to the lower level class; and
- a fifth set of instructions, executable on the computer system, configured to provide inheritance of the attribute by the class.

